

Chillgard® VRF Refrigerant Monitor

Technical Specifications & Ordering Information



Technical Specifications	
DIMENSIONS	4.7" x 4.1" x 1.7" (11.9 cm x 10.4 cm x 4.3 cm)
WEIGHT	0.51 lb. (230 g)
VISUAL INDICATIONS	2 internal LEDs to indicate fault and alarm
AUDIBLE ALARM	80dB @ 12" (30 cm) User selectable, factory default ON
RELAY	
ONE RELAY W/RATED LOAD	1 A @ 30 VDC
MAXIMUM OPERATING CURRENT	1 A
MAXIMUM SWITCHING CAPACITY	30 W
OPERATING POWER	24 VDC ± 20%, 24 VAC ± 20%, 50/60 Hz, Class 2
POWER CONSUMPTION	<5 watts
WIRING	14 AWG max, Class 2 copper wiring
OUTPUT OPTIONS	4-20 mA sourcing, ≤500 Ohm load, 2-10 V, 10K Ohm load, RS-485 Modbus RTU, RS-485 BACnet MS/TP
OPERATING TEMPERATURE	32° to 140° F (0° to 60° C)
RELATIVE HUMIDITY (RH)	0-99% non-condensing
PRESSURE	10.2 to 15.7 PSIA (70-108 kPA)
OPERATING RANGE	0-1000 ppm
MINIMUM DETECTION	25 ppm
MINIMUM ALARM	50 ppm
RESPONSE TIME	T50 less than 240 seconds
REPEATABILITY	± 10 ppm at 50 ppm
LINEARITY	± 10 ppm between 25-50 ppm, ± 20% of reading between 50-100 ppm
STANDARD GASES	R-410A
WARRANTY	2 years
APPROVALS	
CANADA	CAN/CSA-C22.2 No. 61010-1-12
US	UL Std. No. 61010-1 (3rd edition)
INTERNATIONAL	IEC61010-1:2010 (3rd edition) CB certificate
CE APPROVAL	Complies with the applicable LVD and EMC directives

Part Number	Description
10175201	Chillgard VRF, Voltage, Modbus
10175202	Chillgard VRF, Current, Modbus
10175203	Chillgard VRF, Voltage, BACnet
10175204	Chillgard VRF, Current, BACnet

Note: This Bulletin contains only a general description of the products shown. While product uses and performance capabilities are generally described, the products shall not, under any circumstances, be used by untrained or unqualified individuals. The products shall not be used until the product instructions/user manual, which contains detailed information concerning the proper use and care of the products, including any warnings or cautions, have been thoroughly read and understood. Specifications are subject to change without prior notice.

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